Gainward GT 440 1GB DVI HDMI

GPU	Core	Memory	Capacity	Type	Outputs
GT 440	780 MHz	800 MHz	1024 MB	DDR3 / 128 bits	DVI, VGA, HDMI

PRODUCT SPECIFICATIONS

- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/ Wide-Bandwidth™ hardware design powered by NVIDIA's GeForce™ **GT 440** GPU (**40**nm) integrating **1024MB/128bits** high-speed **DDR3** memory which offers enhanced, leading-edge performance for the 3D enthusiasts
- **780MHz** core clock, **800MHz** (DDR 1600 memory clock.
- High performance 2-slot cooler.
- **DVI** (resolution support up to 2560x1600), **VGA** and **HDMI** support.
- Full integrated support for **HDMI** 1.4a including xvYCC, Deep color and 7.1 digital surround sound.
- **Dual-link HDCP Capable:** Designed to meet the output protection management (HDCP) and security specifications of the Blu-ray Disc formats, allowing the playback of encrypted movie content on PCs when connected to HDCP-compliant displays.
- Supports two monitors simultaneously, enabled by the NVIDIA **nView™** Multi-Display Technology for office applications, 3D gaming and professional applications such as CAD, DTP, animation or video editing. NVIDIA **nView™** allows end-users to select any combination of multiple displays.

CHIPSET SPECIFICATIONS

- **NVIDIA GeForce™ GT 440**
- **Microsoft DirectX 11 Support:** DirectX 11 GPU with Shader Model 5.0 support designed for ultra high performance in the new API's key graphics feature, GPU-accelerated tessellation.
- **NVIDIA PhysX™:** Full support for NVIDIA PhysX technology, enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.
- **NVIDIA CUDA™ Technology:** CUDA technology unlocks the power of the GPU's processor cores to accelerate the most demanding system tasks such as video transcoding, physics simulation, ray tracing and more, delivering incredible performance over traditional CPUs.
- **Microsoft Windows 7 Support:** Windows 7 is the next generation operating system that will mark a dramatic improvement in the way the OS takes advantage of the GPU to provide a more compelling user experience. By taking advantage of the GPU for both graphics and computing, Windows 7 will not only make today's PCs more visual and more interactive but also ensure that they have the speed and responsiveness customers want.

BUNDLED ACCESSORIES

- Gainward QuickStart Manual

- Driver CD and Application S/W

Driver for Windows 7/Vista/XP

Note: Gainward's bundle items are subject to change. Please refer to your local Gainward dealer for more information, or the description in the regional product package

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- Easy Plug-and-Play **AUTORUN** installation from CD-ROM.
- Includes Gainward's award winning **EXPERTool™ tuning utility** for customized performance enhancements and efficient desktop management.
- **NVIDIA GeForce Unified Driver Architecture (UDA):** Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. NVIDIA GeForce drivers provide the best out-of-box experience for every users and deliver continuous performance and feature updates over the life of NVIDIA GeForce GPUs.
- **PCI Express 2.0 Support:** Designed for the new PCI Express 2.0 bus architecture, offering the highest data transfer speeds for the most bandwidth-hungry games and 3D applications, while maintaining backwards compatibility with existing PCI Express motherboards for the broadest support.
- **DirectCompute Support:** Full support for DirectCompute, Microsoft's GPU computing API.
- **OpenCL Support:** Full support for OpenCL GPU computing API.
- **OpenGL 4.0 Optimizations and Support:** Ensures top-notch compatibility and performance for OpenGL applications.
- **Blu-Ray 3D Support:** Enable a theatre quality 3D in your home with seamless support for 1080p Blu-Ray 3D discs across any compatible 3D viewing system over HDMI 1.4, including active-shutter glasses and passive polarized displays.
- **PureVideo™ HD technology:** The combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for movies and video.
- **Hardware Decode Acceleration:** Provides ultra-smooth playback of H.264, VC-1, WMV, DivX, MPEG-2 and MPEG-4 HD and SD movies without the need for a dual or quad-core CPU.

SYSTEM REQUIREMENTS

- Intel Core2Duo series, AMD Athlon 64 X2 series or above CPU
- Minimum of 1GB system memory
- Minimum 300W system power supply
- DVD-ROM drive
- Requires a PCI Express 2.0 compliant motherboard
- Requires a dual-width x16 graphics slot
- Windows 7/Vista/XP

API SUPPORT

- DirectX 11 in hardware
- OpenGL 4.0 support

OS SUPPORT

- Windows 7/Vista/XP

BAR CODE

- Large Box: 426018336-2104